

**From:** [Wyatt, Robert](#)  
**To:** [Eric Blischke/R10/USEPA/US@EPA](#)  
**Subject:** Re: RI Resolutions  
**Date:** 10/31/2008 11:32 AM

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That is definitely interesting. It is my understanding that this particular book was never discussed by the Stormwater Technical Team up until this moment. Can you send me a copy of the calculations you mentioned and who performed them?

Bob

----- Original Message -----

From: Blischke.Eric@epamail.epa.gov <Blischke.Eric@epamail.epa.gov>  
To: Wyatt, Robert  
Sent: Fri Oct 31 10:42:46 2008  
Subject: RE: RI Resolutions

That is interesting because in an example that is floating around, the mean value calculated by LWG, DEQ and the Gilbert method are all identical.

Eric

"Wyatt, Robert"  
<rjw@nwnatural.com>  
To  
Eric Blischke/R10/USEPA/US@EPA  
10/31/2008 10:35 AM  
cc  
Subject  
RE: RI Resolutions

We are checking (and have ordered it). I understand it isn't something the multi-party/agency storm water team has consulted before.

-----Original Message-----

From: Blischke.Eric@epamail.epa.gov  
[<mailto:Blischke.Eric@epamail.epa.gov>]  
Sent: Friday, October 31, 2008 10:30 AM  
To: Wyatt, Robert  
Subject: Re: RI Resolutions

Someone should have it. It is a standard reference on statistical approaches to environmental sampling.

Eric

"Wyatt, Robert"  
<rjw@nwnatural.com>  
To  
Eric Blischke/R10/USEPA/US@EPA  
10/31/2008 10:03 AM  
cc  
Chip Humphrey/R10/USEPA/US@EPA,  
<jworonets@anchorenv.com>  
Subject  
Re: RI Resolutions

Eric,

My team does not have the Gilbert reference you have selected. We need to review and evaluate it before you issue your letter, so I am requesting you do not send the letter on Monday. I will let you know when we have completed our evaluation. We expect to have the book Monday.

Bob

----- Original Message -----

From: Blischke.Eric@epamail.epa.gov <Blischke.Eric@epamail.epa.gov>  
To: Wyatt, Robert  
Cc: Humphrey.Chip@epamail.epa.gov <Humphrey.Chip@epamail.epa.gov>  
Sent: Fri Oct 31 09:11:08 2008  
Subject: Re: RI Resolutions

Bob, thanks, I will be discussing with my eco risk team this morning.

On a couple of other fronts:

- 1) We are finalizing the comments on Table 5.1-2. These should go out today or Monday. I do not expect any of the comments to be controversial.
- 2) We have developed a path forward on the weighted approach for stormwater. We will be requiring LWG to perform both methods - the concentration based method and the weighted method. We have consulted a statistician and are recommending the at the weighted approach be performed according to the procedures outlined in Gilbert, 1987, Statistical Methods for Environmental Pollution Monitoring, Chapter 5 - Stratified Random Sampling. This method is similar to the methods recommended by LWG, City of Portland and DEQ representatives of the stormwater team. In addition, we will be modifying the language in our conditional approval letter to address LWG concerns regarding the

editorial comment (Section 2.0, p 3) to clarify that source control is a DEQ task, not an LWG task and modify our comment on Section 4.3, p 12 as agreed to during our last stormwater meeting. Regarding the use of the weighting approach, we believe that both the weighting approach and the concentration based approach should be considered when developing a range stormwater loads for input into the fate and transport model. We expect to send out our conditional approval letter on Monday.

Please let me know if you have any questions. Give me a call if you wish to discuss further.

Eric

"Wyatt, Robert"  
<rjw@nwnatural.com>  
To  
Eric Blischke/R10/USEPA/US@EPA  
10/30/2008 08:45 PM  
cc  
"Jennifer Woronets"  
<jworonets@anchorenv.com>, Chip  
Humphrey/R10/USEPA/US@EPA  
Subject  
RI Resolutions

Hi Eric,

When we met on Monday I committed to providing the written description of the behavioral endpoint review effort LWG implemented for resolving the TRV benthic derivation values, including the specific studies we propose using for benthic TRV derivation. I also committed to providing a written description of the slight clarifications to the MacDonald bioassay reference station selection methodology including a map with specific proposed reference station locations. As you requested, LWG has included proposed reference stations within the Study Area. The two written clarifications and the figure are attached. As you know, these are time critical decisions for the project and it is my expectation is that EPA will confirm these resolutions so that the LWG can consider them complete and initiate the related RI and risk tasks.

Thank you,

Bob

[attachment "3518\_Bioassay locs meeting reference criteria\_LSM\_102908.pdf" deleted by Eric Blischke/R10/USEPA/US]  
[attachment "behavioral endpoint review memo final 103008.pdf" deleted by Eric Blischke/R10/USEPA/US] [attachment "Criteria for Identifying Reference Sediment Samples memo\_final.pdf" deleted by Eric Blischke/R10/USEPA/US]

